

**WHAT
YOU NEED
TO KNOW
ABOUT**

 **PETRON**
EURO 5 **DIESELS**



FREQUENTLY ASKED QUESTIONS

1 What is Euro 5?

Euro 5 is a level 5 European Emission Standard introduced in Europe in 2009. It limits the harmful pollutants such as carbon monoxide (CO), hydrocarbon (HC), nitrous oxide (NO_x), and particulate matter (PM) from the exhaust systems of automotive vehicles.

2 What is the difference between Euro 5 with Euro 2M diesel in Malaysia?

Euro 2M diesel has 500ppm sulfur as compared to Euro 5 which has 10ppm. This means that it is 50 times cleaner and thus helps to significantly reduce exhaust emissions. It also prolongs the life and effectiveness of after-treatment devices such as catalytic converters and diesel particulate filters.

3 What are the benefits of reducing sulfur in the diesel fuel?

Sulfur in diesel is known to affect particulate matter (PM) exhaust emissions due to some of the sulfur being converted to sulfate particles in the exhaust. The amount that is converted varies by engine; but reducing the total sulfur produces a linear decrease in PM in nearly all engines. Fuel sulfur can also adversely affect cylinder wear (through the formation of acids) and deposit formation. Low sulfur fuel prolongs the life of vehicle emission control devices and catalytic converters, thus allowing vehicles to have much cleaner emissions over its operating lifetime.

4 What are the benefits of using Petron Turbo Diesel Euro 5 or Petron Diesel Max Euro 5?



- Compliant to European fuel quality specification that meets Euro 5 standards.
- Contains a combustion improver that allows more efficient combustion, thus producing more complete burn and power.
- Provides excellent cleaning action inside modern high speed direct injection (HSDI) diesel engines for complete power loss control and power restoration.
- Provides rapid and complete restoration of lost power in just 1 to 2 full tanks of diesel fuel.
- Promotes better ignition quality for improved cold start performance, quicker engine start-up, smoother running, and improved fuel economy.



- Previously Euro 2M, Petron Diesel Max Euro 5 has upgraded to Euro 5 standard specification.
- It's an ultra-low sulfur, premium diesel that meets the stringent requirements of Euro 5-compliant diesel engines.
- Formulated with an advanced additive system called TriAction Advantage that provides better mileage, better power and excellent engine protection.

TRI ACTION ADVANTAGE™



UNLEASHES THE BEST IN EURO 5 DIESELS



Experience superior performance and protection in every drive with Petron Diesels

Enjoy the best of both worlds with Euro 5 compliant Petron diesels. Formulated with premium TriAction Advantage additives to deliver superior cleaning action while giving the engine a boost in performance and fuel efficiency. So, no matter which Petron diesel you choose, you will be getting the most out of every drive.

**PETRON
DIESEL MAX
EURO 5**

**TURBO
DIESEL EURO 5**

5 What are the performance benefits of Petron Euro 5 Diesels?



- **IMPROVED COLD START PERFORMANCE** and ignition quality
- **EXCELLENT CLEANING ACTION** with improved oxidation stability
- **POWER LOSS CONTROL AND RESTORATION**
- **EXCELLENT PROTECTION** against corrosion and diesel fuel foaming
- **IMPROVED FUEL ECONOMY**
- **REDUCED EXHAUST EMISSIONS**
- **IMPROVED FORECOURT CLEANLINESS**



- **OPTIMUM CLEANING ACTION** with improved oxidation stability
- **POWER LOSS CONTROL**
- **IMPROVED PROTECTION** against corrosion and diesel fuel foaming
- **IMPROVED FUEL ECONOMY**
- **REDUCED EXHAUST EMISSIONS**
- **IMPROVED FORECOURT CLEANLINESS**

6 Can Petron Euro 5 Diesels be filled into any diesel engine vehicle?

Yes, both can be used in any diesel engine vehicle as they are compatible with Euro 2, Euro 4 and Euro 5-compliant diesel vehicles. Recommended especially for Euro 5 vehicles equipped with catalytic converters and particulate filters.

7 Can Petron Euro 5 Diesels be mixed with other diesel fuel brands?

Yes, both are compatible with other diesel fuel brands. However, mixing with other brands fuel will not allow motorist to experience the full performance benefits of Petron Euro 5 Diesels.

8 Do I still need to put additives in the diesel?

All Petron Euro 5 Diesels already have a balanced formulation. Putting more additives will no longer be necessary.

9 Is there a way to physically distinguish between Petron Diesel Max Euro 5 and Petron Turbo Diesel Euro 5 at the pump station?

Yes, both diesels are clearly differentiated via prominent decals and nozzle colour (blue colour for Petron Turbo Diesel Euro 5 and black colour for Petron Diesel Max Euro 5).

PROTECT YOUR FLEET, INCREASE YOUR PROFITS.



Give your business an added advantage and keep your investments protected with Petron Diesel Max Euro 5, formulated to clean and prolong the engine's lifespan.

FORMULATED WITH
**TRI ACTION
ADVANTAGE**

PETRON
DIESEL MAX
EURO 5

FREQUENTLY ASKED QUESTIONS

10 Where can we fuel up with Petron Euro 5 Diesels?

Petron Diesel Max Euro 5 is available at all Petron service stations in Malaysia, whereas Petron Turbo Diesel Euro 5 is available at selected stations nationwide.

11 Where can we get more information on Petron Euro 5 Diesels?

You may contact Petron Care Hotline at 1300-22-8211 or visit www.petron.com.my to find out more.

ABOUT BIODIESEL

12 What is biodiesel?

Biodiesel is an alternative fuel to conventional or 'fossil' diesel. Biodiesel can be produced from vegetable oils or animal fats through a transesterification process. Biodiesel fuel is derived from mixture of petroleum diesel & Fatty Acid Methyl Ester (FAME). In Malaysia, FAME is processed from refined bleached and deodorized (RBD) palm oil (palm olein) due to the abundance of palm oil. It is called Palm Methyl Ester (PME) also known as biodiesel.

13 What are the current types of diesel sold at Petron retail stations?

The two types of diesels sold at stations are Petron Diesel Max Euro 5 and Petron Turbo Diesel Euro 5. Petron Diesel Max Euro 5 is mainly blended with palm biodiesel in ratios of 10% (B10), while Petron Turbo Diesel Euro 5 is maintained with palm biodiesel of 7% (B7).

Petron Diesel Max Euro 5 B10 will be replaced with B20 (20% palm biodiesel) in accordance with government implementation plan by phase stages. Currently, Petron Diesel Max Euro 5 B20 is being offered in Sarawak and Wilayah Persekutuan Labuan.

14 Are the stations in highlands maintaining to sell B7?

Yes, the stations in highlands will continue to offer Petron Diesel Max Euro 5 with palm biodiesel in ratios of 7% (B7) and Petron Turbo Diesel Euro 5 (B7).

15 Where can we obtain more information on biodiesel?

You may visit the Malaysian Palm Oil Board (MPOB) website or Ministry of Plantation and Commodities (MPIC) website to know more.

WITH GREAT POWER
COMES GREAT
RESPONSIBILITY



Go beyond your expectations with Petron Turbo Diesel Euro 5, formulated with TriAction Advantage, designed to unleash your engine's full potential from within by ensuring optimal performance and engine efficiency, so you can conquer all your journeys.

FORMULATED WITH
**TRI ACTION
ADVANTAGE**

PETRON
TURBO
DIESEL EURO 5

Fuel Happy
PETRON



• YOUR FLEET. YOUR RULES.

Find the best plans for your business. For details, kindly contact us at:
Toll Free Hotline: **1800-88-8298** Email: customer@petronfleetcard.com.my

Follow Petron Malaysia at     www.petron.com.my